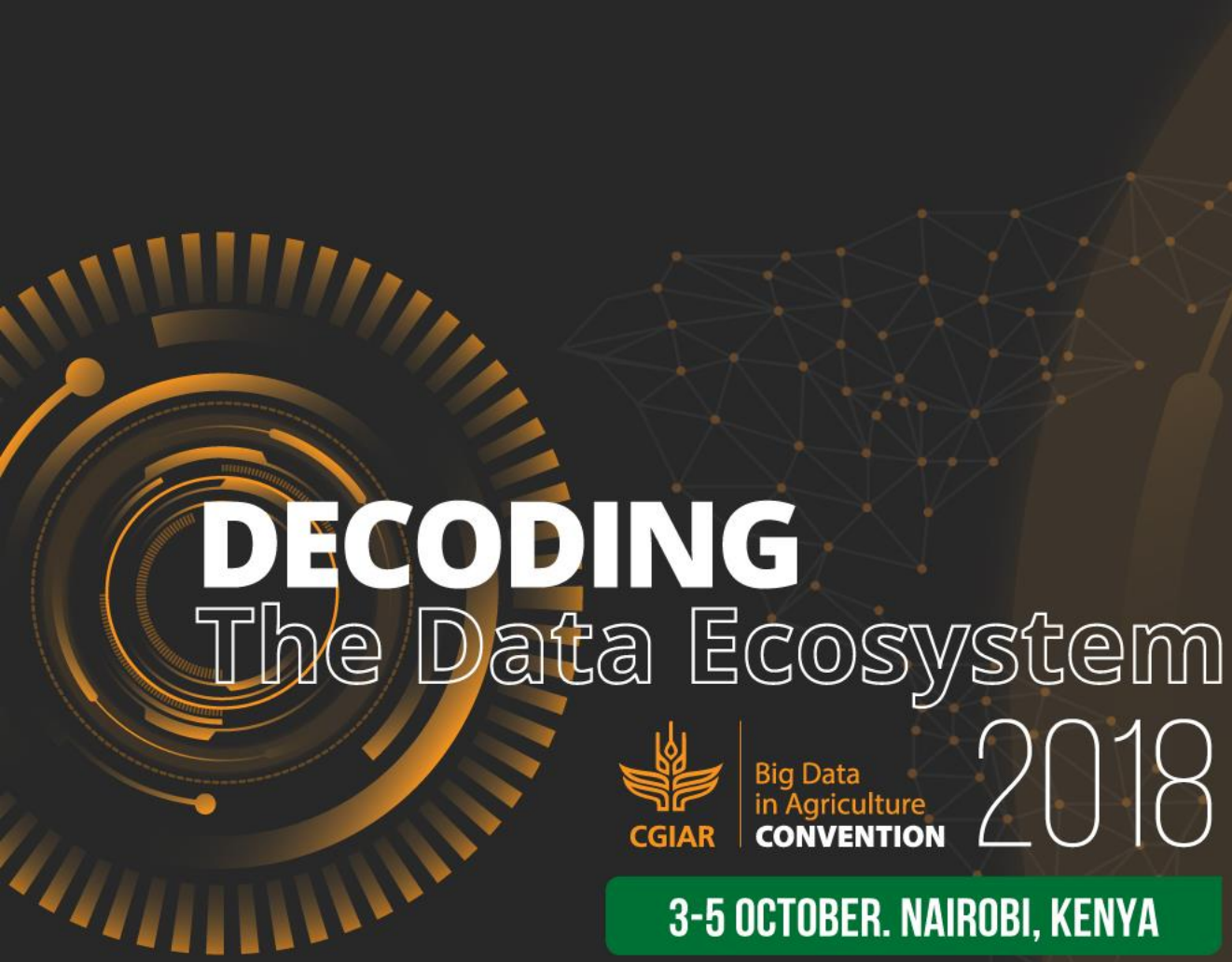


Leveraging big data and analytics to strengthen livelihoods and enhance food and nutrition security by improving aquaculture and fisheries: Emerging areas for new partnerships

Mike Phillips

CGIAR

RESEARCH PROGRAM ON Fish

FISH FACTS

Nutrition, livelihoods & environment

Fish

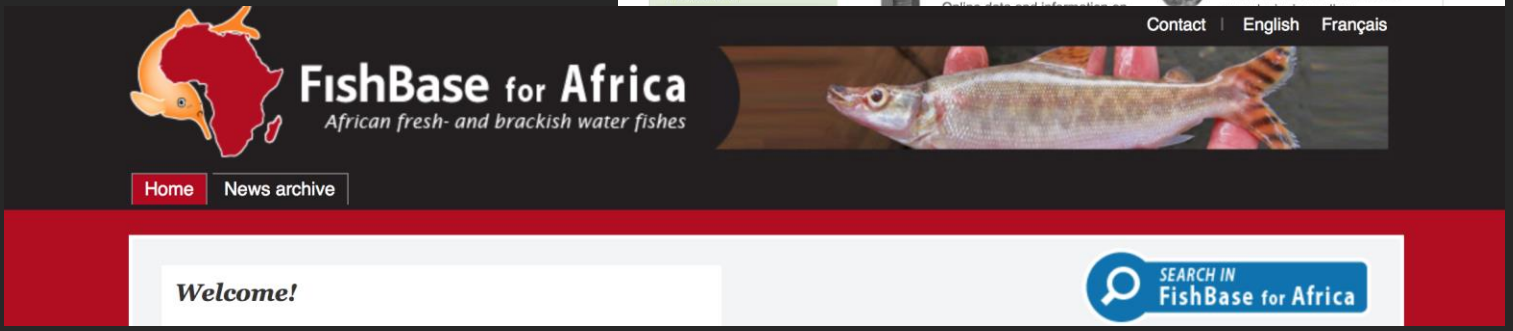
- 3 billion people
- 1 trillion global economy
- Top traded food commodity
- Fast growing demand

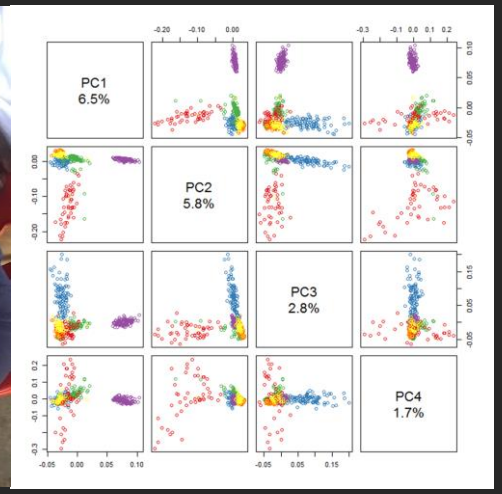
Challenges:

- Sustain stressed wild fisheries
- Sustainably grow aquaculture
- Livelihoods of small fishers and farmers
- Hidden part of food system?

DECODING
The Data Ecosystem

FISH DATA





DECODING
The Data Ecosystem

Blue Economy Challenge - Bangladesh Version 2.0

Kabir, Kazi Ahmed;Rashid, Mohammad Mamun–Ur;Ahmad Fatan, Nurulhuda;Suri, Sharon, 2018, "Blue Economy Challenge - Bangladesh", https://doi.org/10.7910/DVN/GA3MVL, Harvard Dataverse, V2, UNF:6:nTy2FKF8urffjg32YzYvlQ== [fileUNF]

Cite Dataset

Learn about Data Citation Standards.

FISH FUTURES

- Data collection:
  - “Hidden harvest” & small-scale fishing
  - Aquaculture productivity, farming system analysis
- Data analysis and decisions
- Digital extension
  - Farmer skills development
  - Problem analysis (eg fish disease)
- Digital marketing for smallholders

DECODING
The Data Ecosystem

FISH PARTNERS

IWMI
International Water Management Institute

JAMES COOK UNIVERSITY
AUSTRALIA

WAGENINGEN UNIVERSITY
WAGENINGEN UR

UNIVERSITY of GREENWICH

WorldFish

CGIAR Big Data in Agriculture CONVENTION
3-5 OCTOBER. NAIROBI, KENYA 2018

Thank you!

Platform for
Big Data
in Agriculture

bigdata.cgiar.org